

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	10	(US-5185689-\$).did. (US-5254217-\$).did. ("6560580").PN. (US-5599424-\$).did. ("5774327").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/06/01 15:46
L2	559411	TiN or titanium nitride	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2007/06/01 15:48
L3	2087328	platinum pt	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/06/01 15:48
L4	13244	ruo or "ruo.sub\$" or "ruo.sub.2" or ruthenium oxide	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2007/06/01 15:48
L5	4288	L4 and @pd<"19950529"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/06/01 15:48
L6	801	L2 and L5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/06/01 15:48
L7	519	L6 and L3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/06/01 15:48
L8	16	dram and L7	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/06/01 15:48

## EAST Search History

L9	586	(insulative insulator insulating) with (over\$1etch\$3 over adj etch\$3) and capacitor and dram	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	OFF	2007/06/01 15:48
L10	102	("5185689" "5554564" "5566045") and (Ru ruthenium ruthenate ruthenide) and (Pt platinum) and (tiN titanium adj nitride)	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	ON	2007/06/01 15:48
L11	14586	ruo or "ruo.sub\$" or "ruo.sub.2" or ruthenium oxide or ruthenate	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/06/01 15:48
L12	6141	L2 and L11	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/06/01 15:48
L13	4730	L12 and L3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/06/01 15:48
L14	4730	L2 and L13	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/06/01 15:48
L15	113	Summerfelt-s\$.in. and (Ru ruthenium ruthenate ruthenide) and (Pt platinum) and (tiN titanium adj nitride)	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	ON	2007/06/01 15:48
L16	38	(tin titanium adj nitride) same (ruo ruthenium adj oxide) same (platinum pt) and plug and (overetch over-etch overetched over-etched overetching over-etching over adj etch over adj etched over adj etching )	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	OFF	2007/06/01 15:48
L17	4655	L11 and @pd<"19950529"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/06/01 15:48

## EAST Search History

L18	560	(over\$1etching over\$1etch over\$1etched over adj (etching etch etched)) and (platinum pt) with (ruthenium ru) and (capacitor capacitance)	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	OFF	2007/06/01 15:48
L19	43	Summerfelt-s\$.in. and (Ru ruthenium ruthenate ruthenide) and (Pt platinum) and (tIN titanium adj nitride) and overetch	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/06/01 15:48
L20	3	saito and plasma and overetch\$3 with insulation	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/06/01 15:48
L21	18	saito and plasma and overetch\$3 with insulat\$3	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/06/01 15:48
L22	129	saito and plasma and overetch\$3	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/06/01 15:48
L23	30	("4476547"   "5003428"   "5005102"   "5053917"   "5122477"   "5497017"   "5532956"   "5566045"   "5576928"   "5581436"   "5589284"   "5604659"   "5604696"   "5608247"   "5619393"   "5723171"   "5926716"   "5937294"   "5952687"   "5998250"   "6043526"   "6049103"   "6051859"   "6080617"   "6100200"   "6153490"   "6207524"   "6218297"   "6403414"   "6421223"). PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/06/01 15:48
L24	6	("5489548"   "5554564"   "5567964"   "5585300"   "5702970"   "5728616"). PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/06/01 15:48
L25	6	L24 and etch\$3	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/01 15:48

## EAST Search History

L26	12	(US-5861332-\$ or US-5489548-\$ or US-5622893-\$ or US-5909043-\$ or US-5504041-\$ or US-5005102-\$ or US-6593638-\$ or US-5440157-\$ or US-5436477-\$ or US-5335138-\$ or US-5350705-\$ or US-4672420-\$).did.	USPAT	OR	OFF	2007/06/01 15:48
L27	8	(US-20020055272-\$).did. or (US-5489548-\$ or US-5622893-\$ or US-6593638-\$ or US-5599424-\$ or US-5440157-\$ or US-5436477-\$ or US-4672420-\$).did.	US-PGPUB; USPAT	OR	OFF	2007/06/01 15:48
L28	7	L27 and (over\$1etching RIE plasma)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/01 15:48
L29	1	"560087".ap. and hwang	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/06/01 15:48
L30	1	L29 and step	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/06/01 15:48
L31	18	plasma adj etching and over\$1etching with error	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/01 15:48
L32	3289	(257/295,298,310).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/06/01 15:48
L33	50	("5254217" "5,254,217" "0" adj "587" adj "990" "587" adj "990" "0587990" "5-87990 05-87990 "06"\$1"097121" "6"\$1"097121") and (etch\$3 over\$1etch\$3)	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	OFF	2007/06/01 15:48
L34	367	plasma adj etching and over\$1etching and error	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/01 15:48

## EAST Search History

L35	615	ruo	US-PGPUB; USPAT	OR	OFF	2007/06/01 15:48
L36	965	samsung and (over\$1etch\$3 over adj etch\$3)	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	OFF	2007/06/01 15:48
L37	55	samsung and (over\$1etch\$3 over adj etch\$3) and (platinum pt) and (ruthenium ru)	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	OFF	2007/06/01 15:48
L38	2	(("5624583") or ("5527729")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/06/01 15:48
L39	2	L38 and etch	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	OFF	2007/06/01 15:48
L40	21	"560087"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/06/01 15:48
L41	1	L18 and @pd<"19941117"	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	ON	2007/06/01 15:48
L42	5322	"ruo.sub.2"	US-PGPUB; USPAT	OR	OFF	2007/06/01 15:48
L43	1406	dram and L14 not L8	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/06/01 15:48
L44	36	"5185689" and (Ru ruthenium ruthenate ruthenide) and (Pt platinum) and (tiN titanium adj nitride)	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	ON	2007/06/01 15:48
L45	100	(over\$1etch\$3 over adj etch\$3) with (platinum pt) and @pd>"19941117"	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	OFF	2007/06/01 15:48

## EAST Search History

L46	22	platinum with capacitor with substrate with (overetch\$3 etch\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/06/01 15:48
L47	1	("5824563").PN.	US-PGPUB; USPAT	OR	OFF	2007/06/01 15:48
L48	40	(Beratan Kirlin Gnade Nishioka Summerfelt Park Bhattacharya Nishioka Nicolet Reid Kolawa).in. and @ad<"19950529" and ferroelectric and (barrier adj metal tin titanium nitride)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/06/01 15:48
L49	8	(08/766,733 "08766733" "766733".ap.) and fraser.inv.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/06/01 15:48
L50	12	L26 and etch\$3	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/01 16:05